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SY 12V/2V AGM BATTERY

Safty reliable seal, small internal impedance, low self-discharge and high efficient reaction.



We Master Power and Cooling

SY 12V AGM Battery



Solar System



Transmission And Transformation



Petrochemical System



Wind Energy Storage System

Product Introduction

SY General Battery series products are 12V monolithic AGM valve regulated sealed lead-acid battery and universal design for battery products. It has advantages including wide capacity range, multi-type, safty reliable seal, small internal impedance, low self-discharge, sealed and high efficient reaction, clean and environment protection,safe, clean, easy installation and so on. It is widely used in various fields of communication systems, power systems, uninterruptible power supply (UPS), solar systems, fire alarms and security systems.

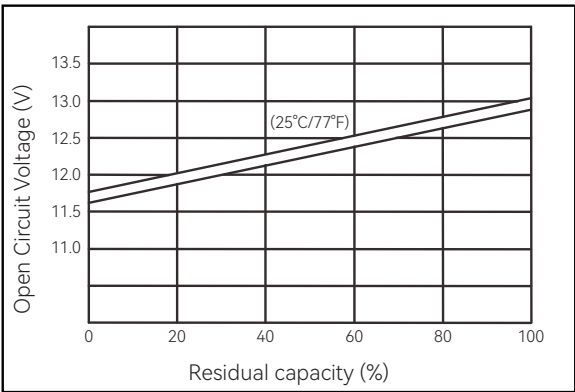
Product Features

- Nomimal voltage : 12V
- Operating temperature range : -20~50°C;
The design life is 10 years(25°C), using special polybasiclead base alloygrid with high corrosion resistance and charge acceptance
- Using high quality superfine glass fiberliquid -suction battery technology to exceed 99% gas recombination rate
- Small internal impedance,excellent performance when high current discharge
- Using multiple sealing technologies to ensure no leakage,no acid mist escaping to keep safe and reliable
- Rated Capacity : 5Ah~300Ah
- High-strength ABS plastic battery slot and cover with features of compact structure, corrosion resistant,impact resistance and anti-vibration and so on
- Using new special process sheetformula to improve the utilization of active Material
- Low self-discharge,wide operating temperature range
- Standard:GB/T 19638.1.2,IEC 60896-21/22, YD/T 799-2010

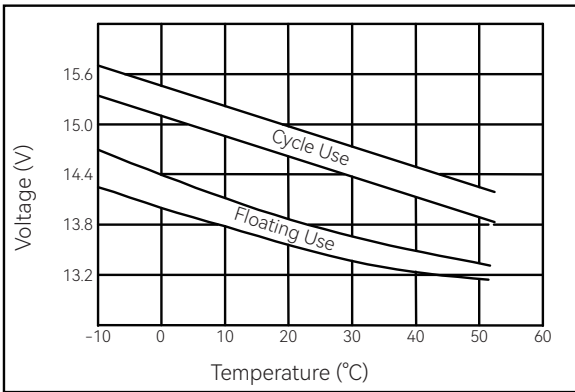
Specification Model

Model	Nominal voltage	Rated capacity (10HR,25°C)	Dimensions				Approx. weight
			Length	Width	Height	Total height	
SY-GFM12005	12V	5Ah	90±1mm	70±1mm	101±1mm	107±1mm	1.5kg±4%
SY-GFM12007	12V	7Ah	151±1.5mm	65±1mm	94±1mm	100±1mm	1.97kg±4%
SY-GFM12009	12V	9Ah	151±1.5mm	65±1mm	94±1mm	100±1mm	2.5kg±4%
SY-GFM12012	12V	12Ah	151±1.5mm	98±1mm	95±1mm	101±1mm	3.3kg±4%
SY-GFM12017	12V	17Ah	181±2mm	77±1mm	167±2mm	167±2mm	4.8kg±4%
SY-GFM12024	12V (6 cells per unit)	24Ah/10.5V	166±2mm (6.54inch)	126±2mm (4.96inch)	174±2mm (6.85inch)	174±2mm (6.85inch)	6.9kg (15.25lbs)±4%
SY-GFM12040	12V	38Ah	197±2mm (7.76inch)	165±2mm (6.50inch)	174±2mm (6.85inch)	174±2mm (6.85inch)	11kg(24.25lbs)±3%
SY-GFM12055	12V	55Ah	230±2mm (9.06inch)	138±2mm (5.43inch)	208±2mm (8.19inch)	212±2mm (8.35inch)	15kg(33.07lbs)±3%
SY-GFM12065	12V	65Ah	350±2mm (13.78inch)	168±2mm (6.61inch)	179±2mm (7.05inch)	179±2mm (7.05inch)	18kg(39.68lbs)±3%
SY-GFM12080	12V	80Ah	330±2mm (12.99inch)	173±2mm (6.81inch)	214±2mm (8.43inch)	220±2mm (8.66inch)	22.6kg(49.86lbs)±3%
SY-GFM12090	12V	90Ah	330±2mm (12.99inch)	173±2mm (6.81inch)	214±2mm (8.43inch)	220±2mm (8.66inch)	24.2kg(53.35lbs)±3%
SY-GFM12100	12V	100Ah	330±2mm (12.99inch)	173±2mm (6.81inch)	214±2mm (8.43inch)	220±2mm (8.66inch)	27.3kg(60.19lbs)±3%
SY-GFM12120	12V	120Ah	407±2mm (16.02inch)	173±2mm (6.81inch)	208±2mm (8.19inch)	238±2mm (9.37inch)	32.5kg(71.65lbs)±3%
SY-GFM12150	12V	150Ah	485±2mm (19.09inch)	172±2mm (6.77inch)	240±2mm (9.45inch)	240±2mm (9.45inch)	43.5kg (95.9lbs)±3%
SY-GFM12180	12V	180Ah	522±2mm (20.55inch)	238±2mm (9.37inch)	218±2mm (8.58inch)	222±2mm (8.74inch)	47.5kg (104.72lbs)±3%
SY-GFM12200	12V	200Ah	522±2mm (20.55inch)	238±2mm (9.37inch)	218±2mm (8.58inch)	222±2mm (8.74inch)	52.8kg (116.4lbs)±3%
SY-GFM12250	12V	250Ah	521±2mm (20.51inch)	269±2mm (10.59inch)	220±2mm (8.66inch)	224±2mm (8.82inch)	66.8kg (147.27lbs)±3%
SY-GFM12300	12V	300Ah (20HR,25°C)	521±2mm	269±2mm	220±2mm	224±2mm	77kg±3%

Battery Characteristic Graph



Relationship for OCV and capacity (25°C)



Relationship for charging voltage and temperature

SY 2V AGM Battery



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Wind Energy Storage System

Product Introduction

- SY General Battery series products are 2V monolithic AGM valve regulated sealed lead – acid batteries. It has advantages including wide capacity range, multiple types, safe and reliable seal, small internal impedance, low self – discharge, sealed and high efficient reaction, clean and environmental protection, safe, clean, easy installation and so on.

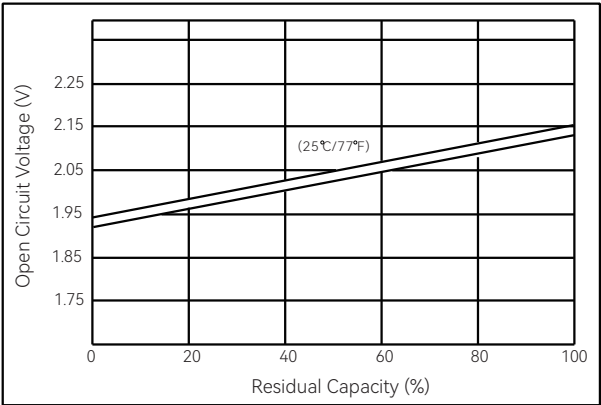
Product Features

- Nomimal voltage : 2V
- Operating temperature range : -20~50°C; The design life is 10 years (25°C), using special polybasi clead base alloy grid with high corrosion resistance and charge acceptance
- Using high quality superfine glass fiberliquid –suction battery technology to exceed 99% gas recombination rate
- Small internal impedance,excellent performance when high current discharge
- Using multiple sealing technologies to ensure no leakage,no acid mist escaping to keep safe and reliable
- Rated Capacity : 200Ah~2000Ah
- High-strength ABS plastic battery slot and cover with features of compact structure, corrosion resistant,impact resistance and anti-vibration and so on
- Using new special process sheetformula to improve the utilization of active Material
- Low self-discharge,wide operating temperature range
- Standard:GB/T 19638.1.2,IEC 60896-21/22, YD/T 799-2010

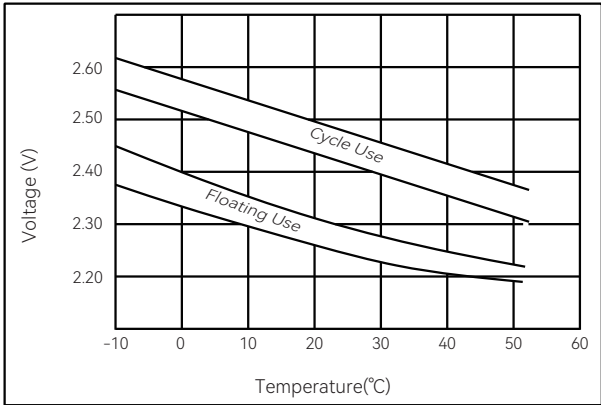
Specification Model

Model	Nominal voltage	Rated capacity (10HR,25°C)	Dimensions				Approx. weight
			Length	Width	Height	Total height	
SY-GFM02200	2V	200Ah	171±2mm (6.73inch)	111±2mm (4.37inch)	330±2mm (12.99inch)	364±2mm (14.33inch)	14kg(30.9lbs)±3%
SY-GFM02300	2V	300Ah	171±2mm (6.73inch)	151±2mm (5.94inch)	330±2mm (12.99inch)	364±2mm (14.33inch)	19.5kg(43lbs)±3%
SY-GFM02400	2V	400Ah	210±2mm (8.27inch)	176±2mm (6.93inch)	330±2mm (12.99inch)	367±2mm (14.43inch)	27kg(59.5lbs)±3%
SY-GFM02500	2V	500Ah	241±2mm (9.49inch)	171±2mm (6.73inch)	330±2mm (12.99inch)	365±2mm (14.37inch)	31.5kg(69.4lbs)±3%
SY-GFM02600	2V	600Ah	302±2mm (11.89inch)	175±2mm (6.89inch)	330±2mm (12.99inch)	367±2mm (14.45inch)	38kg(83.8lbs)±3%
SY-GFM02800	2V	800Ah	410±2mm (16.14inch)	175±2mm (6.89inch)	330±2mm (12.99inch)	367±2mm (14.45inch)	53kg(116.8lbs)±3%
SY-GFM021000	2V	1000Ah	475±2mm (18.70inch)	175±2mm (6.89inch)	330±2mm (12.99inch)	367±2mm (14.45inch)	63kg(138.9lbs)±3%
SY-GFM021500	2V	1500Ah	400±2mm (15.75inch)	350±2mm (13.78inch)	345±2mm (13.58inch)	382±2mm (15.04inch)	96.5kg(212.7lbs)±3%
SY-GFM022000	2V	2000Ah	490±2mm (19.29inch)	350±2mm (13.78inch)	345±2mm (13.58inch)	382±2mm (15.04inch)	131kg(288.8lbs)±3%
SY-GFM023000	2V	3000Ah	710±3mm (27.95inch)	350±2mm (13.78inch)	345±2mm (13.58inch)	382±2mm (15.04inch)	191kg(421lbs)±3%

Battery Characteristic Graph



Relationship for OCV and capacity (25°C)



Relationship for charging voltage and temperature